

Roofing

Updated to 2015 I-Codes 10/14/16

Roof Certification (required county-wide)

A Roofing Certification form (attached) must be filled out by the owner or contractor doing the work. It must state that an ice barrier was installed per the Code (if required, see below), what class of roof covering was used, and the manufacturer's installation requirements were met for the design wind speed.

What are the roofing requirements in mountain areas?

- Larimer County requires a Class "A" or "B" roof covering in areas west of the dividing line (the wildfire hazard area) shown on the roofing map on the reverse side of this page.
- Metal roofing, asphalt fiberglass shingles, clay or concrete tile, slate and wood shakes or shingles pressure impregnated with fire retardant chemicals that qualify for a Class "A" or "B" roof covering are acceptable. (The class of roof covering materials must be labeled and approved by an independent agency, and the manufacturer's installation requirements must be met.)
- The wildfire hazard area is also a severe weather and high wind area (Ultimate Wind Speed equal to or exceeding 140 mph). Ice barrier protection per the 2015 IRC or IBC is required. *

What are the roofing requirements outside of mountain areas?

- A minimum Class "C" roof covering along the Front Range (east of the dividing line depicted on the roofing map).
- Most roofing materials can meet the Class "C" roofing grade including asphalt composition shingles and wood shakes or shingles that have been pressure impregnated with fire retardant chemicals. (The class of roof covering materials must be labeled and approved by an independent agency, and the manufacturer's installation requirements must be met.)

**Metal panel roofs and detached accessory structures that contain no heated floor area are exempt from having ice barrier protection. Clay and concrete tile roofing requires ice and water shield underlayment when the slope is less than 7/12. Also, existing asphalt shingles may have no ice barrier protection and may receive a second layer without adding the ice barrier protection.*



What else should I be aware of before installing a roof?

If installing wood shingles or shakes, fire-retardant treated wood shakes or shingles are required. If there are no labels on the shingles or shakes **do not install them**; they will not be approved for use. It will be the owner's and contractor's responsibility to get the proper classification of roof covering from the supplier and to be able to show such proof of classification to the building inspector.

NOTE: Any repairs, additions, and re-roofs exceeding 50% of the total roof during any one year period, as well as all new construction, must comply with the above requirements.

Drip edge is required at eaves and gables of asphalt shingle roofs.

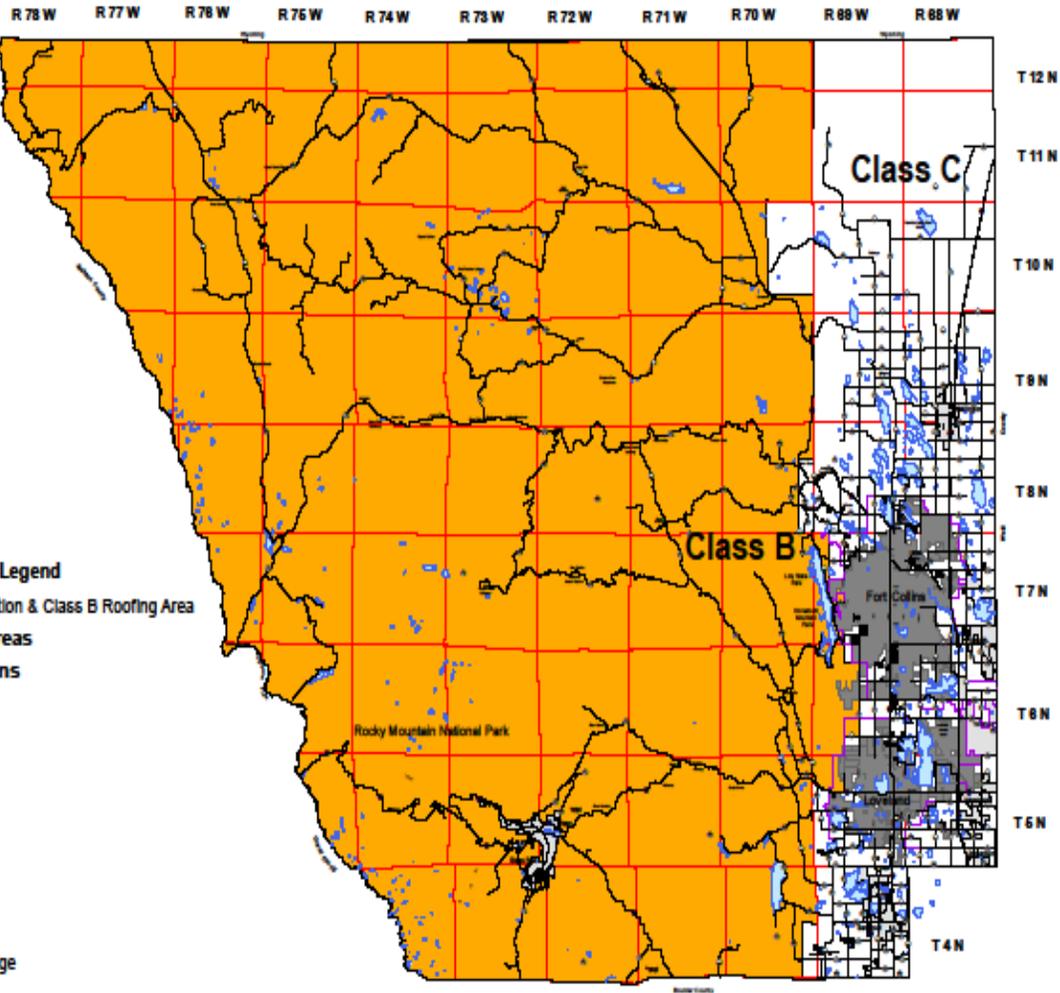
Roofing Classifications

Material Class is categorized by composition or resistance to fire (combustible or noncombustible). Class A has the highest resistance, Class C has the least resistance.

Note: Class A materials generally need an underlayment of additional materials to give it an A rating. This is because Class A materials conduct heat beyond the exterior.

If there is a question on the rating of a particular roof covering, your supplier should be able to help you determine the class of the roof covering being considered.





Legend

- Wildfire Mitigation & Class B Roofing Area
- Incorporated Areas**
- Cities and Towns**
- Berthoud
- Estes Park
- Fort Collins
- Johnstown
- Loveland
- Timnath
- Wellington
- Windsor
- Open Water
- Township-Range

Larimer County Wildfire Mitigation & Class B Roofing Area Map



Larimer County Building Department Roofing Certification Form*

**This form must be signed by the contractor or homeowner doing the work and given to the building inspector at the time of the roofing inspection.*

Building Permit Number: _____ Job Address: _____

Roofing Contractor Company Name and Address: _____

List type of roof covering used: _____

Class of Roof Covering Used: Class A _____ Class B _____ Class C _____
Metal or noncombustible roofing _____

Roofing Information:

Site Ultimate Design Wind Speed in mph*: _____
Asphalt shingles with ASTM D 3161 Class F or ASTM D 7158 Class H (Y/N) _____
Other roof covering type & ASTM # or UL # _____

Type of Fasteners Used:
Size, Type, and Number of Staples: _____
Size, Type, and Number of Nails: _____
Other (please specify): _____

In Mountains or Foothills (High Wind Areas) of Larimer County (Y/NA)

If no, skip this area. If yes, complete this section for ice barriers:

See 2015 International Residential Code, Sections R905.1.2, 905.2.7, 905.4.3.1, 905.5.3.1, 905.6.3.1, 905.7.3.1., 905.8.3.1 & 905.16.4.1 Ice barrier.

In Larimer County's Wildfire Hazard Area and Roofing Classification "B" Area, an ice barrier that consist of two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building. Exception: Detached *accessory* structures that contain *no conditioned floor area*.

Underlayment Used:
A self-adhering polymer-modified bitumen sheet _____ OR
An ice barrier consists of at least two layers of underlayment cemented together _____

Certification:

I hereby certify the information above is accurate and conforms to the manufacturer's installation requirements for Ultimate Design Wind Speed*:

Print Name of Owner or Roofing Contractor: _____

Signature of Owner or Roofing Contractor: _____ Date: _____

**Please call Building Staff on Call at (970) 498-7660 to confirm the design wind speed in the area. Leave a message with the building permit number and/or project address. The Building Staff on Call will return your call as soon as possible.*